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# Well-designed information for nurses makes injections safer

Matthew Jones, University of Bath

M.D.Jones@bath.ac.uk



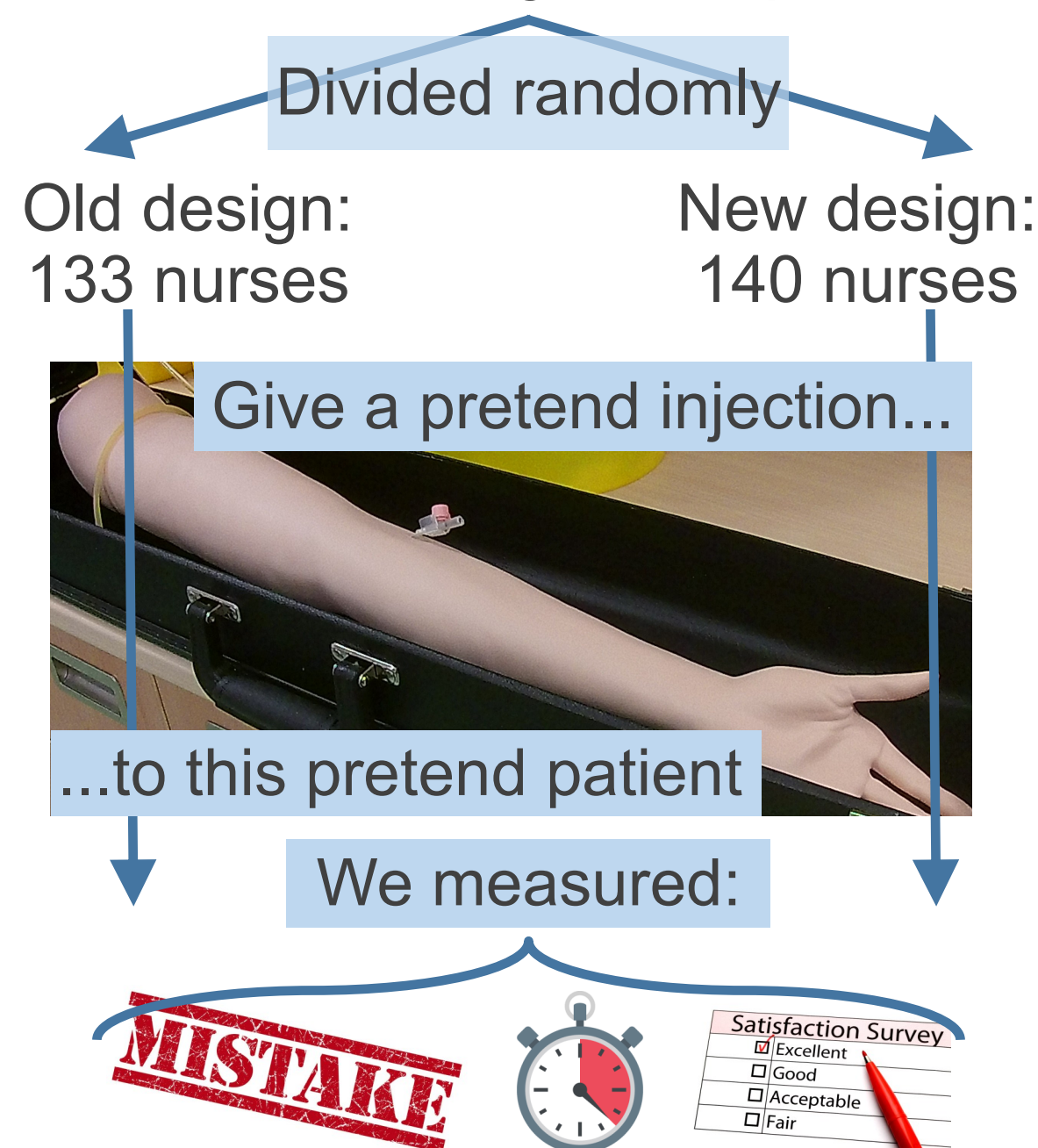
@MatthewJonesUoB

## Why did we carry out this research?

- One in every hundred injections is given incorrectly and causes harm
- To reduce mistakes, the NHS publishes the Injectable Medicines Guide
- This website tells nurses in many hospitals how to prepare each injection
- Research has found that mistakes are often caused by confusing information
- At the start of this project, we used “user testing” to improve the Injectable Medicines Guide design
- So we wanted to find out if nurses using our new design made fewer mistakes

## How did we do this research?

273 nurses working on hospital wards



## What did we find out?

- The new user tested design made it safer, faster and easier to give injections
- We can be confident these differences are not due to chance

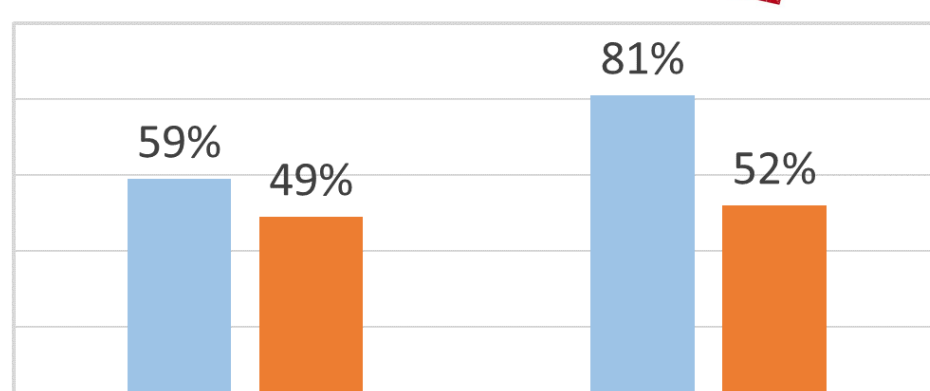


Nurses using old design



Nurses using new design

### Percentage of nurses who made at least one **MISTAKE**



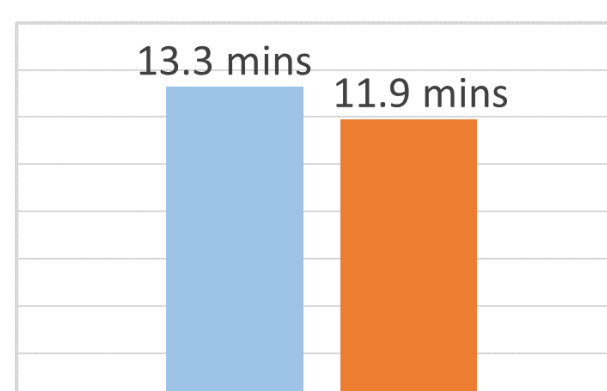
More serious mistakes

Any mistake

Nurses with the new design made fewer mistakes

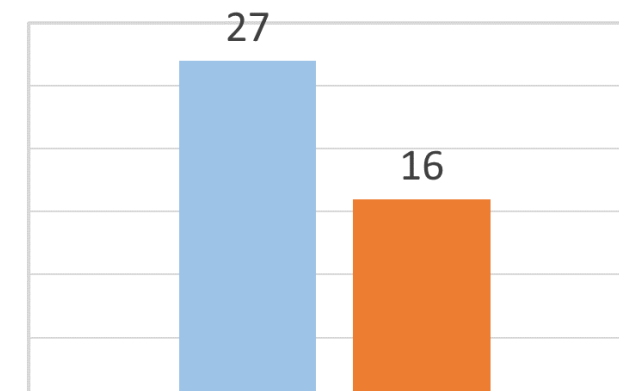
The difference in serious mistakes might be due to chance

### Average time to make injection



Nurses with the new design were more than 1 minute faster making the injection

### Average nurse confidence score



Lower scores = more confidence, so nurses with the new design were more confident